

**WEST**[Help](#)[Logout](#)[Interrupt](#)[Main Menu](#)[Search Form](#)[Posting Counts](#)[Show 8 Numbers](#)[Edit 8 Numbers](#)[Preferences](#)[Cases](#)**Search Results -**

Term	Documents
PHASE.DWPI,TDBD,EPAB,JPAB,USPT.	1271050
PHASES.DWPI,TDBD,EPAB,JPAB,USPT.	239685
CHANGE.DWPI,TDBD,EPAB,JPAB,USPT.	1570011
CHANGES.DWPI,TDBD,EPAB,JPAB,USPT.	1383647
(1 AND (PHASE ADJ CHANGE)).USPT,JPAB,EPAB,DWPI,TDBD.	1
(PHASE CHANGE AND L1).USPT,JPAB,EPAB,DWPI,TDBD.	1

**Database:**

[US Patents Full-Text Database](#)  
[US Pre-Grant Publication Full-Text Database](#)  
[JPO Abstracts Database](#)  
[EPO Abstracts Database](#)  
[Derwent World Patents Index](#)  
[IBM Technical Disclosure Bulletins](#)

**Search:**

L3

[Refine Search](#)[Recall Text](#)[Clear](#)**Search History**
**DATE: Sunday, April 27, 2003**    [Printable Copy](#)    [Create Case](#)
**Set Name Query**  
 side by side

**Hit Count Set Name**  
 result set

*DB=USPT,JPAB,EPAB,DWPI,TDBD; PLUR=YES; OP=ADJ*

<u>L1</u>	davis-dan\$.in. or hart-ronald\$.in. or work-dale\$.in. or virgallito-david\$.in.	102	<u>L1</u>
<u>L2</u>	(microcapsule or encapsulat\$3 or microencapsulate\$ or macrocapsule) and L1	14	<u>L2</u>
<u>L3</u>	phase change and L1	1	<u>L3</u>

END OF SEARCH HISTORY

**WEST**

Generate Collection

Print

**Search Results - Record(s) 1 through 10 of 14 returned.**☐ 1. Document ID: US 5911923 A

L2: Entry 1 of 14

File: USPT

Jun 15, 1999

US-PAT-NO: 5911923

DOCUMENT-IDENTIFIER: US 5911923 A

**\*\* See image for Certificate of Correction \*\***

TITLE: Method for microencapsulating water-soluble or water-dispersible or water-sensitive materials in an organic continuous phase

DATE-ISSUED: June 15, 1999

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Work; Dale E.	London	OH		
Hart; Ronald L.	Xenia	OH		
Virgallito; David R.	Beavercreek	OH		

US-CL-CURRENT: 264/4.7; 427/213.34, 427/213.36

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	RWC	Draw Desc	Image
------	-------	----------	-------	--------	----------------	------	-----------	-----------	-------------	--------	-----	-----------	-------

☐ 2. Document ID: US 5885234 A

L2: Entry 2 of 14

File: USPT

Mar 23, 1999

US-PAT-NO: 5885234

DOCUMENT-IDENTIFIER: US 5885234 A

TITLE: Orthopedic casting material having improved wet strength

DATE-ISSUED: March 23, 1999

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Sandvig; Timothy C.	Woodville	WI		
Ersfeld; Dean A.	Maplewood	MN		
Davis; Daniel W.	Hugo	MN		
Gotz; Steven H.	Woodbury	MN		

US-CL-CURRENT: 602/8; 602/6

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	RWC	Draw Desc	Image
------	-------	----------	-------	--------	----------------	------	-----------	-----------	-------------	--------	-----	-----------	-------

☐ 3. Document ID: US 5828576 A

L2: Entry 3 of 14

File: USPT

Oct 27, 1998

US-PAT-NO: 5828576  
DOCUMENT-IDENTIFIER: US 5828576 A  
\*\* See image for Certificate of Correction \*\*

TITLE: Power monitor apparatus and method with object oriented structure

DATE-ISSUED: October 27, 1998

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Loucks; Gregory R.	Sidney			CA
Ki; Chuen Shan Simon	Victoria			CA
Ransom; Douglas S.	Victoria			CA
Dravnieks; Olaf O.W.	Victoria			CA
Chivers; David A.	Victoria			CA
Teachman; Michael E.	Victoria			CA
Hart; Ronald G.	Victoria			CA

US-CL-CURRENT: 702/65; 324/118, 324/119, 324/142, 340/3.51, 703/18, 717/123

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
------	-------	----------	-------	--------	----------------	------	-----------	-----------	-------------

RMIC	Draw Desc	Image
------	-----------	-------

☐ 4. Document ID: US 5800899 A

L2: Entry 4 of 14

File: USPT

Sep 1, 1998

US-PAT-NO: 5800899  
DOCUMENT-IDENTIFIER: US 5800899 A

TITLE: Orthopedic casting material having improved wet strength

DATE-ISSUED: September 1, 1998

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Sandvig; Timothy C.	Woodville	WI		
Ersfeld; Dean A.	Maplewood	MN		
Davis; Daniel W.	Hugo	MN		
Gotz; Steven H.	Woodbury	MN		

US-CL-CURRENT: 428/96; 428/92, 442/1, 442/180, 442/304, 602/8

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
------	-------	----------	-------	--------	----------------	------	-----------	-----------	-------------

RMIC	Draw Desc	Image
------	-----------	-------

☐ 5. Document ID: US 5650936 A

L2: Entry 5 of 14

File: USPT

Jul 22, 1997

US-PAT-NO: 5650936  
DOCUMENT-IDENTIFIER: US 5650936 A  
\*\* See image for Certificate of Correction \*\*

TITLE: Power monitor apparatus and method with object oriented structure

DATE-ISSUED: July 22, 1997

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Loucks; Gregory R.	Sidney			CA
Ki; Chuen Shan Simon	Victoria			CA
Ransom; Douglas S.	Victoria			CA
Dravnieks; Olaf O. W.	Victoria			CA
Chivers; David A.	Victoria			CA
Teachman; Michael E.	Victoria			CA
Hart; Ronald G.	Victoria			CA

US-CL-CURRENT: 702/62; 324/118, 324/119, 324/142 707/1, 713/340

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	KWIC	Draw Desc	Image
------	-------	----------	-------	--------	----------------	------	-----------	-----------	-------------	------	-----------	-------

☐ 6. Document ID: US 5435376 A

L2: Entry 6 of 14

File: USPT

Jul 25, 1995

US-PAT-NO: 5435376

DOCUMENT-IDENTIFIER: US 5435376 A

**\*\* See image for Certificate of Correction \*\***TITLE: Flame resistant microencapsulated phase change materials

DATE-ISSUED: July 25, 1995

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Hart; Ronald L.	Dayton	OH		
Work; Dale E.	Dayton	OH		

US-CL-CURRENT: 165/10; 165/47

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	KWIC	Draw Desc	Image
------	-------	----------	-------	--------	----------------	------	-----------	-----------	-------------	------	-----------	-------

☐ 7. Document ID: US 5008133 A

L2: Entry 7 of 14

File: USPT

Apr 16, 1991

US-PAT-NO: 5008133

DOCUMENT-IDENTIFIER: US 5008133 A

**\*\* See image for Certificate of Correction \*\***TITLE: Method of coating a web with a coating mixture including microcapsules crushed by a back-up member

DATE-ISSUED: April 16, 1991

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Herbet; Albert J.	Oxford	OH	45056	
Hart; Ronald L.	Xenia	OH	45385-9525	
Work; Dale E.	London	OH	43140	

US-CL-CURRENT: 427/333; 427/356

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
------	-------	----------	-------	--------	----------------	------	-----------	-----------	-------------

FWMC	Draw Desc	Image
------	-----------	-------

☐ 8. Document ID: US 4536524 A

L2: Entry 8 of 14

File: USPT

Aug 20, 1985

US-PAT-NO: 4536524

DOCUMENT-IDENTIFIER: US 4536524 A

TITLE: Microencapsulated epoxy adhesive system

DATE-ISSUED: August 20, 1985

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Hart; Ronald L.	Xenia	OH		
Work; Dale E.	London	OH		
Davis; Colin E.	Portage	MI		

US-CL-CURRENT: 523/176; 156/330, 411/258, 428/402.21, 523/211, 523/406

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
------	-------	----------	-------	--------	----------------	------	-----------	-----------	-------------

FWMC	Draw Desc	Image
------	-----------	-------

☐ 9. Document ID: US 4464434 A

L2: Entry 9 of 14

File: USPT

Aug 7, 1984

US-PAT-NO: 4464434

DOCUMENT-IDENTIFIER: US 4464434 A

\*\* See image for Certificate of Correction \*\*

TITLE: Microencapsulated alkaloidal material and method of producing same

DATE-ISSUED: August 7, 1984

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Davis; Danny A.	Casstown	OH		

US-CL-CURRENT: 428/402.22; 131/352, 131/369, 264/4.3, 424/497, 426/89, 427/213.33, 428/402.24

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
------	-------	----------	-------	--------	----------------	------	-----------	-----------	-------------

FWMC	Draw Desc	Image
------	-----------	-------

☐ 10. Document ID: US 4377621 A

L2: Entry 10 of 14

File: USPT

Mar 22, 1983

US-PAT-NO: 4377621

DOCUMENT-IDENTIFIER: US 4377621 A

TITLE: Hydrolyzed ethylene vinyl acetate encapsulating coating

DATE-ISSUED: March 22, 1983

## INVENTOR-INFORMATION:

**WEST**[Generate Collection](#)[Print](#)**Search Results - Record(s) 11 through 14 of 14 returned.**☐ 11. Document ID: US 4195645 A

L2: Entry 11 of 14

File: USPT

Apr 1, 1980

US-PAT-NO: 4195645

DOCUMENT-IDENTIFIER: US 4195645 A

TITLE: Tobacco-substitute smoking material

DATE-ISSUED: April 1, 1980

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Bradley, Jr.; Hubert	Matthews	NC		
Bayless; Robert G.	Yellow Springs	OH		
Hart; Ronald L.	Xenia	OH		
Davis; Danny A.	Casstown	OH		

US-CL-CURRENT: 131/337; 264/4.3, 428/17, 428/402.2, 428/402.22, 428/403, 428/407[Full](#) [Title](#) [Citation](#) [Front](#) [Review](#) [Classification](#) [Date](#) [Reference](#) [Sequences](#) [Attachments](#)[KIMC](#) [Draw Desc](#) [Image](#)☐ 12. Document ID: US 3755190 A

L2: Entry 12 of 14

File: USPT

Aug 28, 1973

US-PAT-NO: 3755190

DOCUMENT-IDENTIFIER: US 3755190 A

TITLE: CAPSULE MANUFACTURE

DATE-ISSUED: August 28, 1973

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Hart; Ronald L.	Dayton	OH		
Emrick; Donald D.	Kettering	OH		
Bayless; Robert G.	Yellow Springs	OH		

US-CL-CURRENT: 427/213.34; 264/4, 264/4.7, 424/497, 428/402.22, 428/402.24[Full](#) [Title](#) [Citation](#) [Front](#) [Review](#) [Classification](#) [Date](#) [Reference](#) [Sequences](#) [Attachments](#)[KIMC](#) [Draw Desc](#) [Image](#)☐ 13. Document ID: EP 67021 A1

L2: Entry 13 of 14

File: EPAB

Dec 15, 1982

PUB-NO: EP000067021A1

DOCUMENT-IDENTIFIER: EP 67021 A1  
TITLE: Hydrolyzed ethylene vinyl acetate polymer and microcapsule.

PUBN-DATE: December 15, 1982

## INVENTOR-INFORMATION:

NAME

HART, RONALD L

WORK, DALE E

DAVIS, DANIEL

BAYLESS, ROBERT G

COUNTRY

US-CL-CURRENT: 525/56

INT-CL (IPC): C08F 8/12

EUR-CL (EPC): C08F008/12

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
------	-------	----------	-------	--------	----------------	------	-----------	-----------	-------------

KWIC	Draw Desc	Image
------	-----------	-------

☐ 14. Document ID: EP 63475 A1

L2: Entry 14 of 14

File: EPAB

Oct 27, 1982

PUB-NO: EP000063475A1

DOCUMENT-IDENTIFIER: EP 63475 A1

TITLE: Microencapsulated epoxy adhesive system.

PUBN-DATE: October 27, 1982

## INVENTOR-INFORMATION:

NAME

HART, RONALD L

WORK, DALE E

DAVIS, COLIN E

COUNTRY

US-CL-CURRENT: 528/124

INT-CL (IPC): C09J 3/16; C08G 59/18

EUR-CL (EPC): C08J003/24; C09J163/00, F16B039/22

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
------	-------	----------	-------	--------	----------------	------	-----------	-----------	-------------

KWIC	Draw Desc	Image
------	-----------	-------

[Generate Collection](#)[Print](#)